Sabi Kahlon
Software Engineer

Edmonton, AB • sabikahlon7345@gmail.com • (825) 925 5437
LinkedIn: www.linkedin.com/in/sabi-kahlon-b98940304
GitHub: https://github.com/skcodes2
Portfolio: https://skcodes2.github.io/

PROFESSIONAL EXPERIENCE AND PROJECTS

O.L.L.I NON-PROFIT CHARITY   London, ON
Web Development   *JAN 2024 - MAY 2024*

- Developed a multi-user website catering to admin, parents, special needs children, and staff accounts, each with dedicated landing pages upon login.
- Collaborated with a team to develop a professional website for Olli, a non-profit charity, utilizing React for the frontend and Express.js with MySQL for the backend.
- Designed comprehensive administrative controls granting full oversight of all account information and activities, ensuring effective monitoring and management.
- Implemented specialized features such as games and a chat system tailored specifically for special needs children to enhance engagement and interaction

Weather Forecasting Application   Edmonton, AB
Personal Project   *June 2024*

- Developed a weather application using React that provides users with the flexibility to switch between various time forecasts (e.g., hourly, daily) for accurate weather updates.
- Integrated features allowing users to add multiple cities and view detailed weather information such as humidity, temperature, sunrise, and sunset times.

Enginerea (Game)   London, ON
Personal Project   *Jan 2023 – May 2023*

- Collaborated with a team of friends to develop a 2D platformer game using Python and the Pygame library.
- Designed levels and challenges to provide engaging gameplay, balancing difficulty and progression for an enjoyable user experience.
- Utilized sprite sheets to efficiently manage and animate character movements, ensuring smooth transitions between actions like running, jumping, and attacking.

EDUCATION

UNIVERSITY OF WESTERN ONTARIO   London, ON
Bachelor of Engineering Science in Software Engineering   *2021-2025*

EXTRA-CURRICULAR

Programming Competition   London, ON
Team Member   *Jan 2024*

- Took part in an 8-hour programming competition focused on finding better ways to handle disasters. Worked with a team to brainstorm and refine ideas for solving problems
- Developed a comprehensive system with a graphical user interface (GUI) for emergency services to track natural disasters, including functionality to locate, track, and add cases.
- Secured 4th place out of 21 participants, showcasing technical proficiency and the ability to deliver effective solutions under competitive conditions.

Robotics Club   London, ON
Club Member   *Sep 2021 -May 2022*

- Worked with team members to use problem-solving and engineering skills to develop robotic projects using Arduino and Raspberry Pi
- Utilized DC motors for precise movement control, implementing motor drivers and feedback mechanisms to ensure accurate and efficient operation of our robots.
- Conducted testing and iterative adjustments to components like DC motors and potentiometers, enhancing the responsiveness and efficiency of our robots through careful calibration.

Technical Skills

Languages: *Java, Python, JavaScript, HTML, CSS, MYSQL, C/C++, NodeJS*
Frameworks/Libraries: *JavaFX, React, Scene Builder, Express*
Tools/Other: *VSCode, Git/GitHub, Figma, Jira, Confluence, AWS, GCP, PhotoShop, GIMP*